

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name: 350 Colorado
Address: Ex. 6 Personal Privacy (PP)
City: Boulder
State: CO: Colorado Zip Code: 80304

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☐ Yes ☒ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

n/a

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

n/a

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

n/a

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☐ Yes ☒ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☐ Yes ☒ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☒ Yes ☐ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

n/a

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

n/a

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Riley L Ruff

B. Title of Authorized Official

Development and Communications Director

C. Date

03/24/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.



EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Deborah"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="McNamara"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Development and Communications Director"/>					
Complete Address:						
Street1:	<input type="text" value="Ex. 6 Personal Privacy (PP)"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="BOULDER"/>	State:	<input type="text" value="CO: Colorado"/>			
Zip / Postal Code:	<input type="text" value="80304"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="Ex. 6 Personal Privacy (PP)"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="campaigns@350colorado.org"/>					

Payee: *Individual authorized to accept payments.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Micah"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Parkin"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Executive Director, 350 CO"/>					
Complete Address:						
Street1:	<input type="text" value="Ex. 6 Personal Privacy (PP)"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="Boulder"/>	State:	<input type="text" value="CO: Colorado"/>			
Zip / Postal Code:	<input type="text" value="80304"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="Ex. 6 Personal Privacy (PP)"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="micah@350colorado.org"/>					

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Deborah"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="McNamara"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Development and Communications Director"/>					
Complete Address:						
Street1:	<input type="text" value="Ex. 6 Personal Privacy (PP)"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="BOULDER"/>	State:	<input type="text" value="CO: Colorado"/>			
Zip / Postal Code:	<input type="text" value="80304"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="720400 3739"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="campaigns@350colorado.org"/>					

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: Prefix: **First Name:** **Middle Name:**

Last Name: **Suffix:**

Title:

Complete Address:

Street1:

Street2:

City:

State:

Zip / Postal Code:

Country:

Phone Number:

Fax Number:

E-mail Address:

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment

Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

[Add Mandatory Project Narrative File](#)

[Delete Mandatory Project Narrative File](#)

[View Mandatory Project Narrative File](#)

To add more Project Narrative File attachments, please use the attachment buttons below.

[Add Optional Project Narrative File](#)

[Delete Optional Project Narrative File](#)

[View Optional Project Narrative File](#)

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Volatile Organic Compounds monitoring		\$	\$	\$	\$	\$
2. Methane monitoring						
3. Particulate Matter monitoring						
4. Meteorological variables (wind speed, wind direction, temperature, relative humidity, radiation), research-grade						
5. Totals		\$	\$	\$	\$	\$

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Volatile Organic Compounds monitoring	(2) Methane monitoring	(3) Particulate Matter monitoring	(4) Meteorological variables (wind speed, wind direction, temperature, relative humidity, radiation), research-grade	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel	6,500.00				6,500.00
d. Equipment	23,000.00				23,000.00
e. Supplies					
f. Contractual	469,038.00				469,038.00
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)	498,538.00				\$ 498,538.00
j. Indirect Charges					\$
k. TOTALS (sum of 6i and 6j)	\$ 498,538.00	\$	\$	\$	\$ 498,538.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES

	(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Volatile Organic Compounds monitoring	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>
9.	Methane monitoring	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
10.	Particulate Matter monitoring	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
11.	Meteorological variables (wind speed, wind direction, temperature, relative humidity, radiation), research-grade	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
12.	TOTAL (sum of lines 8-11)	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>
14. Non-Federal	\$ <input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
15. TOTAL (sum of lines 13 and 14)	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

	(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Volatile Organic Compounds monitoring	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>
17.	Methane monitoring	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
18.	Particulate Matter monitoring	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
19.	Meteorological variables (wind speed, wind direction, temperature, relative humidity, radiation), research-grade	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
20.	TOTAL (sum of lines 16 - 19)	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: <input style="width: 300px;" type="text"/>	22. Indirect Charges: <input style="width: 300px;" type="text"/>
23. Remarks: <input style="width: 800px; height: 30px;" type="text"/>	

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March 21, 2022

Administrator Michael S Regan
Environmental Protection Agency
Office of the Administrator
1200 Pennsylvania Avenue, NW – 1101A
Washington, D.C. 20250

Dear Administrator Michael S Regan:

We write to express support for the 2022 Enhanced Air Quality Monitoring for Communities grant proposal submitted by 350 Colorado to the Environmental Protection Agency. If awarded, 350 Colorado will fund the Community Air Monitoring in Greeley, Colorado to better protect and enhance the air quality of Weld County by monitoring levels of Methane and volatile organic compounds (VOCs), as well as educate community members on the health impacts of air quality, in a language that they are most comfortable.

GreenLatinos is a non-profit organization that convenes a broad coalition of Latino leaders committed to addressing national, regional and local environmental, natural resources and conservation issues that significantly affect the health and welfare of the Latino community in the United States. The latest figures show Weld County has a population of 328,981 residents, 30% of the population identifies as Latino. Greeley-Evans District 6 is the largest school district in the county serving 21,408 students, 63.7% identifying as Latino.

GreenLatinos will partner with 350 Colorado to provide a series of educational workshops using the data collected, in Spanish and other languages primarily spoken in the area. We will continue to work to empower the community with information, technical assistance, and organizing capacity. We encourage you to give the application submitted by 350 Colorado your full and fair consideration consistent with all applicable laws and regulations.

Thank you for your review,

Ean Thomas Tafoya

GreenLatinos

Colorado State Director

eahtafoya@greenlatinos.org

720-621-8985

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/24/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

079763941

5b. Federal Award Identifier:

EPA-OAR-OAQPS-22-01

State Use Only:

6. Date Received by State:

7. State Application Identifier:

Choose State...

8. APPLICANT INFORMATION:

* a. Legal Name:

350 Colorado

* b. Employer/Taxpayer Identification Number (EIN/TIN):

46-3355370

* c. Organizational DUNS:

0797639410000

d. Address:

* Street1:

Ex. 6 Personal Privacy (PP)

Street2:

* City:

Boulder

County/Parish:

CO

* State:

CO: Colorado

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

80304-0413

e. Organizational Unit:

Department Name:

350 Northern Colorado

Division Name:

350 Northern Colorado

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Deborah

Middle Name:

* Last Name:

McNamara

Suffix:

Title: Development and Communications Director

Organizational Affiliation:

350 Colorado

* Telephone Number:

Ex. 6 Personal Privacy (PP)

Fax Number:

* Email: campaigns@350colorado.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

M: Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Enhanced Air Quality Monitoring in Disproportionately Impacted Communities in Greeley, Colorado

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:**

* a. Applicant

CO

* b. Program/Project

CO-004

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

11/01/2022

* b. End Date:

12/31/2023

18. Estimated Funding (\$):

* a. Federal	500,000.00
* b. Applicant	0.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	500,000.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☒ c. Program is not covered by E.O. 12372.*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix:

* First Name:

Deborah

Middle Name:

* Last Name:

McNamara

Suffix:

* Title:

Development and Communications Director

* Telephone Number:

Ex. 6 Personal Privacy (PP)

Fax Number:

* Email:

campaigns@350colorado.org

* Signature of Authorized Representative:

Riley L Ruff

* Date Signed:

03/24/2022

March 21, 2022

Administrator Michael S Regan
Environmental Protection Agency
Office of the Administrator
1200 Pennsylvania Avenue, NW – 1101A
Washington, D.C. 20250

Dear Administrator Michael S Regan:

I write to express support for the 2022 Enhanced Air Quality Monitoring for Communities grant proposal submitted by 350 Colorado to the Environmental Protection Agency. If awarded, 350 Colorado will fund the Community Air Monitoring in Greeley, Colorado to better protect and enhance the air quality of Weld County by monitoring levels of Methane and volatile organic compounds (VOCs), as well as educate members of my community on the health impacts of air quality, in a language that they are most comfortable.

I fully support 350 Colorado's efforts to secure funding for air monitoring in the vicinity of Bella Romero Academy. As a resident of that neighborhood, I am very concerned about how oil and gas fracking near our homes is affecting, and will affect, our health and well-being of those who live near such sites. I fully support 350 Colorado being given a grant from the EPA to do this monitoring over an 18-month period, and am very willing to have a monitoring station on my property.

I encourage you to give the application submitted by 350 Colorado your full and fair consideration consistent with all applicable laws and regulations.

Respectfully,

Barbara M Flores

State Representative
MARY YOUNG
Colorado State Capitol
200 East Colfax Ave., Room 307
Denver, Colorado 80203
Capitol: 303-866-2929
Email: mary.young.house@state.co.us

Greeley City Councilmember
TOMMY BUTLER
City Hall
1000 10th Street
Greeley, Colorado 80631
Office: (970) 319-0243
Email: Tommy.Butler@Greeleygov.com

March 23, 2022

To Whom it May Concern:

As residents of Greeley, as well as the State Representative for House District 50 and the Greeley City Councilmember for Ward 1, we support the application for Community Air Monitoring in Greeley, Colorado. Our community has expressed ongoing concern about air quality and its impacts on community health. Families', adults', and children's health are negatively affected by poor air quality, especially in low-income and underserved communities.

As part of the EPA's Enhanced Air Quality Monitoring for Communities funding, 350 Colorado (350CO) is applying for a grant of up to \$500,000. This funding would allow 350CO to sustain a monitoring program for approximately 18 months.

350CO was created in 2009 to develop a massive network of local grassroots groups organizing to solve the climate crisis. In 2013, 350CO filed for 5013c status. 350CO is one of the largest if not the largest Colorado-based grassroots network focused on taking action to address climate change.

350CO will be partnering with Boulder AIR to conduct the maintenance and analysis of the data collected. Boulder AIR is led by an expert in air quality research, Dr. Detlev Helmig.

Air monitoring equipment will be placed on private property near Bella Romero Academy and other locations around Greeley. The equipment will have the capacity to measure methane and volatile organic compounds (VOC). The data will be publicly available on Boulder AIR's website. 350CO will work with community members to create tri-monthly reports. An annual report will be available after the first year and a cumulative 18-month report will be available with any long-term trends.

We urge you to fund this application.

Sincerely,



Representative Mary Young, Ph.D.
Colorado House of Representatives
House District 50



Councilmember Tommy Butler
Greeley City Council
Ward 1

March 21, 2022

Administrator Michael S Regan
Environmental Protection Agency
Office of the Administrator
1200 Pennsylvania Avenue, NW – 1101A
Washington, D.C. 20250

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I was born and raised in Weld County, in the north eastern part of Colorado. I have chosen to raise my family here. I have five children, ages 5 to 18. I have learned about the health impacts associated with a lot of oil and gas production and it is frightening. Every week, my children and even my husband, experience nosebleeds on multiple occasions. There doesn't seem to be any cause for it. My youngest child suffers from rashes and watery, red eyes. So far there hasn't been any clear diagnosis or allergy that has been identified. Other families in my neighborhood experience similar things.

The oil and gas industry has become a big part of our community but no one is really talking about how this is going to impact our health and what that means for our children. I will allow 350 Colorado to place the air monitoring equipment on my property. I would like our community and children to be protected. I support the air monitoring efforts and look forward to community meetings.

I encourage you to give the application submitted by 350 Colorado your full and fair consideration consistent with all applicable laws and regulations.

Respectfully,

Raquel Venegas

JOHN HICKENLOOPER
COLORADO

COMMITTEES:
COMMERCE, SCIENCE, AND TRANSPORTATION
ENERGY AND NATURAL RESOURCES
HEALTH, EDUCATION, LABOR, AND PENSIONS
SMALL BUSINESS AND ENTREPRENEURSHIP

United States Senate
WASHINGTON, DC 20510-0611

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<http://www.hickenlooper.senate.gov>

March 23, 2022

Administrator Michael S Regan
Environmental Protection Agency
Office of the Administrator
1200 Pennsylvania Avenue, NW – 1101A
Washington, D.C. 20250

Dear Administrator Michael S Regan:

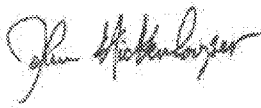
We write to express support for the 2022 Enhanced Air Quality Monitoring for Communities grant proposal submitted by 350 Colorado to the Environmental Protection Agency. If awarded, 350 Colorado will fund the Community Air Monitoring in Greeley, Colorado to improve the air quality of Weld County by monitoring levels of methane and volatile organic compounds (VOCs). The funds also would be used to educate community members on the health impacts of air quality in the language in which residents are most comfortable.

Weld County home to 328,981 residents, about 30% of whom are Hispanic or Latino. It is also home to more than one in three active oil and gas wells in Colorado. Ensuring safe air quality for and educating the residents of Weld County will directly benefit the county and the state of Colorado.

We encourage you to give the application submitted by 350 Colorado your full and fair consideration consistent with all applicable laws and regulations.

Thank you for your review, and please do not hesitate to reach out to our office if we can be of further assistance.

Sincerely,



John Hickenlooper
United States Senator

Wind Speed / Wind Direction/Temperature/Barometric Pressure

These variables are monitored with Cambell Scientific METSENS500 compact weather sensor mounted on a meteorological mast at ~6 m height above the surface.

Ozone (O₃)

Ozone is recorded with a Thermo Fisher Scientific model 49C UV absorption monitor in air that is pulled from an inlet mounted at 7.5 m height above the surface. The sampling line consists of 10 m ¼ inch o.d., 3/16 inch i.d. PFA tubing equipped with a PFA filter holder that houses a 1 micron Teflon membrane filter. Membrane filters are replaced quarterly. The time resolution of the ozone monitoring is one minute. The monitoring and calibration protocol follow the federal regulatory monitoring requirements according to the specifications of '40 Code of Federal Regulations (CFR) Part 58'. The calibration scale is referenced against the EPA Region 8 primary ozone reference standard.

Daily zero and span checks are performed automatically using a Thermo Scientific 49C calibrator unit. These checks are performed at night, through the calibration valve of the instrument. First, zero air is introduced for 6 minutes, followed by 80 ppb ozone for 6 more minutes. Two hours later another check at 50 ppb is performed for 6 min.

Quarterly, a full range linearity check is performed using the same calibrator unit. 6 different levels of ozone are introduced: 0 ppb, 25 ppb, 50 ppb, 100 ppb, 200 ppb, 400 ppb. Yearly, a calibration check is performed using a level 2 standard (also a Thermo Scientific 49C calibrator unit) using the same protocol as the quarterly checks. The level 2 standard has last been referenced against the EPA Region 8 primary ozone reference standard on May 20th 2021.

Also, once a year the ozone monitors are subject to a site audit performed by the Colorado Department of Public Health and Environment (CDPHE).

Methane (CH₄)

Methane is monitored with a Picarro G-2401 cavity ring down spectrometer in air that is sampled from an inlet at 6 m height. The sampling line consists of 10 m ¼ inch o.d., 3/16 inch i.d. PFA tubing equipped with a PFA filter holder that houses a 1 micron Teflon membrane filter. Membrane filters are replaced quarterly. Calibration checks are performed every 48 hours by injecting a calibration ambient air standard that has been cross-referenced to the NOAA Global Monitoring Laboratory (Boulder, CO) methane scale. When deviations between the Picarro instrument calibration and the standard nominal methane value exceed 3 ppb, a second standard is introduced. If that measurement confirms the deviation, an instrument recalibration is done.

Particulate Matter

A GRIMM EDM180 monitor is used for the particulates monitoring. This analyzer measures particles in the 0.25 – 32 µm (micrometer) size range by a laser scattering technique. Air is sampled from an inlet stack protruding approximately 1 m above the instrument trailer roof (effective monitoring height is 3.5 m above ground). The instrument has EPA certification, and the protocol follows requirements for regulatory PM monitoring. Two size ranges are reported on the website, i.e. PM10 (coarse particles) for all particle mass smaller than 10 µm, and PM2.5 (fine particles) for all particle mass smaller than 2.5 µm.

Weekly zero tests are performed by an operator using a 0.25 micron particle filter at the sample inlet.

Every 6 months, a field test is performed by an operator to check the instrument performance. For this test, a 1 micron standard is introduced at the instrument inlet, using a nebulizer. It is followed by, a 2.5 micron standard.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are monitored with a preconcentration unit interfaced to a gas chromatograph (GC) using a flame ionization detector (FID). Air is pulled from an inlet at 6 m above the surface. The sampling line consists of 10 m ¼ inch o.d., 3/16 inch i.d. PFA tubing equipped with a PFA filter holder that houses a 1 micron Teflon membrane filter. The sampling line is inside a conduit that is heated to 40°C. Membrane filters are replaced quarterly. VOCs are extracted over a 10-minute time window from that air flow by pre-concentration in a custom-built inlet and desorption instrument. Sample air is dried to a dewpoint of -45°C by passing it through a section of steel tubing. VOCs are then transferred by rapid heating onto an alumina PLOT GC column. Separation is by temperature-programmed GC and quantification by FID. Approximately twenty VOCs are traced and quantified routinely. A subset of selected VOC tracers (ethane, propane, butane, pentane, hexane, octane, benzene, toluene, acetylene, ethene, propene, acetaldehyde, isoprene, cyclopentane, ethylbenzene, m&p-, o-xylene) are plotted on the web portal. The plotted data represent the mean VOC concentrations over the ten-minute sample collection period and are plotted at the middle of the sampling interval. The calibration scale is tied to the World Meteorological Organization (WMO) Global Atmospheric Watch (GAW) VOCs scale, using primary calibration standards from the U.K. National Physics Laboratory. A blanks sample and a standard run are injected after a set of 45 ambient samples (approximately every two days).

INTERNAL REVENUE SERVICE
P. O. BOX 2508
CINCINNATI, OH 45201

DEPARTMENT OF THE TREASURY

Date:

SEP 09 2014

350 COLORADO
2861 ELLISON PL
BOULDER, CO 80304

Employer Identification Number:

46-3355370

DLN:

17053084319024

Contact Person:

CUSTOMER SERVICE

ID# 31954

Contact Telephone Number:

(877) 829-5500

Accounting Period Ending:

December 31

Public Charity Status:

170(B)(1)(A)(vi)

Form 990 Required:

Yes

Effective Date of Exemption:

August 8, 2013

Contribution Deductibility:

Yes

Addendum Applies:

No

Dear Applicant:

We are pleased to inform you that upon review of your application for tax exempt status we have determined that you are exempt from Federal income tax under section 501(c)(3) of the Internal Revenue Code. Contributions to you are deductible under section 170 of the Code. You are also qualified to receive tax deductible bequests, devises, transfers or gifts under section 2055, 2106 or 2522 of the Code. Because this letter could help resolve any questions regarding your exempt status, you should keep it in your permanent records.

Organizations exempt under section 501(c)(3) of the Code are further classified as either public charities or private foundations. We determined that you are a public charity under the Code section(s) listed in the heading of this letter.

For important information about your responsibilities as a tax-exempt organization, go to www.irs.gov/charities. Enter "4221-PC" in the search bar to view Publication 4221-PC, Compliance Guide for 501(c)(3) Public Charities, which describes your recordkeeping, reporting, and disclosure requirements.

Sincerely,



Director, Exempt Organizations

Letter 947

ED_013931A_00000662-00001

Manifest for Grant Application # GRANT13579877

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 26190 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16145 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24190 bytes)

3. Form SF424A-V1.0.pdf (size 23163 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22610 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 15915 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37297 bytes)

Attachments Included in Zip File (total 10):

1. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1235-BOULDER AIR_QC_protocol_2.docx application/vnd.openxmlformats-officedocument.wordprocessingml.document (size 15557 bytes)

2. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1236-DH_biosketch_03_17_22.docx application/vnd.openxmlformats-officedocument.wordprocessingml.document (size 25226 bytes)

3. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1243-350 Colorado - EPA Letter of Support - Barbara Flores.pdf application/pdf (size 61256 bytes)

4. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1242-350 Colorado - EPA Letter of Support - GreenLatinos.pdf application/pdf (size 154930 bytes)

5. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1241-350 Colorado - EPA Letter of Support - Mary Young & Tommy Butler.pdf application/pdf (size 55736 bytes)

6. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1240-350 Colorado - EPA Letter of Support - Raquel Venegas.pdf application/pdf (size 62135 bytes)

7. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1239-350 Colorado - EPA Letter of Support - Senator Hickenlooper.pdf application/pdf (size 290126 bytes)

8. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1238-350 Colorado - EPA Letter of Support - Patricia Garcia-Nelson.pdf application/pdf (size 22854959 bytes)

9. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1234-350 CO IRS designation letter (3) (1).pdf application/pdf (size 48124 bytes)

10. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1237-Enhanced Air Monitoring Proposal for Greeley, CO.pdf application/pdf (size 3832986 bytes)

BIOGRAPHICAL SKETCH Detlev Helmig

NAME	TITLE	BIRTH DATE (<i>Month, Day, Year</i>)
Detlev Helmig	Principal Boulder A.I.R. LLC	Ex. 6 Personal Privacy (PP)

EDUCATION

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of Duisburg, Germany	Ph.D.	1989	Environmental Chemistry
University of Bochum, Germany	Diplom	1986	Analytical Chemistry

PERSONAL STATEMENT

The core of my research is surface-atmosphere gas exchange, atmospheric chemistry, and atmospheric transport. A particular area that I have focused on in recent years is local to regional air quality in relation to oil and gas operations. Since spring 2017, we have been monitoring important air quality indicators at the Boulder Reservoir. This monitoring reflects a series of novel instrumental and data processing advancements that facilitate the near-real time reporting of primary air pollutants at a public website (<https://www.bouldair.com/boulder.html>). A particular goal is to assess the influence of oil and natural gas development on air quality, and track possible changes from the expansion of the industry closer into Boulder County. The high recognition of this program has motivated neighboring communities to seek similar measurements, leading to the addition of five further air quality monitoring stations during the past year. Results have been remarkable, showing surprisingly high concentrations of primary air pollutants, and concerning influences from oil and gas emissions on surface ozone. This is of high significance given that the region has been an EPA-designated non-attainment area for surface ozone for more than ten years. Our findings have received a lot of attention by citizens, environmental groups, and regulators. The public websites have been visited some 35,000 times since their launch. We have received a plethora of requests for the data and their interpretation. Results have been published in the peer-review literature, and the program has been presented in public media more than a dozen of times. Findings have been essential pieces of information in recent Colorado legislature sessions on redefining oil and gas regulations.

POSITIONS AND HONORS:

Principal, Boulder A.I.R. LLC, 2018-current.

Associate Research Professor, INSTAAR, University of Colorado Boulder, 2003-2020.

Research Scientist III & fellow, INSTAAR, 2001-2020.

Research Scientist, Chemistry Department and the Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado, 1995-2001.

Visiting Scientist, National Center for Atmospheric Research, 1992-1996.

Postdoctoral Fellow, Statewide Air Pollution Research Center, Riverside, University of CA, 1989-1992.

US EPA Young Investigator Award, 1996-2001.

CONTRIBUTIONS TO SCIENCE

Invited member of IPCC group for assessing short-lived climate forcers, May 2018-2022.

Editor-in-Chief of the Atmospheric Science Domain, *Elementa* – Science of the Anthropocene (<http://elementascience.org/>), 2013-current.

Invited member of the World Meteorological Organization (WMO) Global Atmospheric Watch (GAW) scientific advisory group (SAG) on atmospheric reactive gases and WMO-GAW Expert Group for the global monitoring of Volatile Organic Compounds, 2008-current.

Volunteer lecturer at the WMO-GAW – Training & Education Center (2011, 2015, 2018; <https://www.gawtec.de>), and the School of Atmospheric Measurements in Latin America and the Caribbean (SAMLAC) (2018; <http://samlac.uprrp.edu/>).

Primary thesis mentor of ten Ph.D. and ten masters' students, and five postdoctoral scientists at the University of Colorado. Student mentor in the CU Boulder Work Study Program, the CU Boulder SMART Program (Summer Multicultural Access to Research and Training), CU Boulder UROP Program (Undergraduate Research Opportunities Program), the NSF Biosphere Atmosphere Research Training (BART), and UCAR SOARS (Significant Opportunities in Atmospheric Research and Science).

SELECTED PUBLICATIONS:

Please see [[HYPERLINK "https://bouldair.com/"](https://bouldair.com/)] for complete listing. Selected examples:

Rossabi S., Hueber J., Wang W., Milmoie P., and Helmig D. (2021) Spatial distribution of atmospheric oil and natural gas volatile organic compounds in the Northern Colorado Front Range. *Elem. Sci. Anthro.* 9, DOI: 10.1525/elementa.2019.00036.

Pozzer A., Schultz M.G., and Helmig D. (2020) Impact of oil and natural gas emission increases on surface ozone is most pronounced in the Central United States. *Environ. Sci. Technol.* <https://dx.doi.org/10.1021/acs.est.9b06983>.

Helmig D. (2020) Air quality impacts from oil and natural gas development in Colorado. *Elem. Sci. Anth.* 8, DOI: <https://doi.org/10.1525/elementa.398>.

Oltmans S.J., Cheadle L.C., Johnson B.J., Schnell R.C., Sterling C., Thompson A.M., Helmig D., Cullis P., Hall E., Jordan A., McClure-Begley A., Sullivan J.T., McGee T.P., and Wolfe D. (2019) Boundary layer ozone in the Northern Colorado Front Range in July-August 2014 during FRAPPE and DISCOVER-AQ from vertical profile measurements. *Elem. Sci. Anth.* 7, 1-14.

Bien T. and Helmig D. (2018) Changes in the summertime ozone chemistry in Colorado during 2000 – 2015. *Elem. Sci. Anth.* 6:000300, 1-25, doi: 10.1525/elementa.300.

Rossabi S., and Helmig D. (2018) Changes in atmospheric butanes and pentanes and their isomeric ratios in the Continental United States, *J. Geophys. Res.* 123, 3772-3790, doi:10.1002/2017JD027709.

Evans J.M., and Helmig D. (2017) Investigation of the influence of transport from oil and natural gas regions on elevated ozone levels in the northern Colorado Front Range. *J. Air Waste Manag. Assoc.* 67, 196-211.

Helmig D., Stephens C.R., Evans J., Boylan P., Hueber J., and Park J.-H. (2014) Highly elevated atmospheric levels of volatile organic compounds in the Uintah Basin, Utah. *Environ. Sci. Technol.* 48, 4707-4715, doi:10.1021/es405046r.

Helmig D., Rossabi S., Hueber J., Tans P., Montzka S.A., Masarie K., Thoning K., Plass-Duelmer C., Claude A., Carpenter L.J., Lewis A.C., Punjabi S., Reimann S., Vollmer M.K., Steinbrecher R., Hannigan J.W., Emmons L.K., Mahieu E., Franco B., Smale D., and Pozzer A. (2016) Reversal of global atmospheric ethane and propane trends largely due to US oil and natural gas production. *Nature Geosci.* 9, 490-495.

1. Project Summary and Approach: Weld County in Colorado, which is on lands historically belonging to the Arapaho, Cheyenne, Ute, and Sioux nations and peoples, is famous for its oil and gas drilling.¹ It is the number one producer of oil and gas in the state, and has the highest number of wells of any county within the U.S., with 18,327 active wells supplying 45% of Colorado's natural gas.² There are myriad known adverse health effects of air pollutants which are either directly emitted during the drilling of new wells by fracking or the subsequent operation of producing oil and gas wells: benzene, toluene, ethylbenzene, and xylene (BTEX) chemicals and other volatile organic compounds (VOCs); nitrous oxide (N₂O); methane (CH₄); and secondary pollutants from oil and gas emissions, such as ozone (O₃) and particulate matter (PM).^{3,4} These health effects include adverse reproductive outcomes (e.g. preterm births, infant mortalities), impaired neurophysiological functions, asthma exacerbations, poor brain development, and increased risk of cancer.^{1,3,4} Children are especially susceptible to these health effects.^{1,3} Weld County has notoriously poor air quality. In 2021, the Greeley regulatory O₃ monitor operated by the Colorado Department of Public Health (CDPHE) recorded an 8-hour averaged maximum O₃ level of 82 ppb, far in exceedance of the 70 ppb US National Ambient Air Quality Standard.^{1,5} Other evidence suggests that pollutant levels may be much higher than some reports suggest. **The communities of Weld County have a right to know what is in the air they breathe so they can take steps to protect themselves and their children. With this proposal, we are applying for the implementation of an air quality monitoring program in the vicinity of two public schools in Greeley that are subjected to nearby fracking and oil and gas operations. The monitoring will be contracted to Boulder Atmosphere Innovation Research LLC (Boulder AIR) with regulatory-grade data to be provided in real time through a public web portal.**

Greeley is the largest city within Weld County, with a total population of 108,650, of which 39% are Hispanic/Latinx individuals and 7% other non-white races.⁶ In October of 2019, the K-8 Bella Romero Academy became an egregious example of environmental racism when Extraction Oil And Gas (Extraction) built 24 fracking wells 1,360 feet from the school. Bella Romero has a student body composed of 90% non-white students (81% Hispanic/Latinx, 7% black, 1% Asian, and 1% mixed-race individuals)^{7,8} (Figure 1). The fracking wells were originally slated to be built near Frontier Academy, a charter school with a student body of 76% white individuals, but were moved after the parents resisted because they were worried about health risks the fracking would pose to their children.^{8,9} Bella Romero parents were ignored.⁹ Following Extraction's installment of the 24 wells, air quality was monitored at Bella Romero for two months, but was discontinued for unclear reasons shortly after a measurement of 14.7 ppb of benzene was recorded in November of 2019.⁹ This level of benzene is well above the level deemed safe by the federal Agency for Toxic Substances and Disease Registry (ATSDR), which is 9 ppb, and Bella Romero parents were not notified until three weeks following the measurement^{9,10}. The benzene peak was originally erroneously reported as 10.2 ppb as opposed to the true 14.7 ppb due to a data processing error that the Colorado Department of Public Health (CDPHE) did not correct until April of 2020.^{9,11}



Figure 1: Aerial topographical map of the active fracking site next to Bella Romero Academy. Photo and measurement from the Colorado Oil and Gas Commission interactive website.

The wells next to Bella Romero remain active despite Extraction Oil & Gas' bankruptcy in 2020, but questions remain as to what the schoolchildren are breathing because leftover, unplugged wells still emit harmful pollutants¹²⁻¹³. In the very same town of Greeley ~10 miles from Bella Romero, a new school is being built 360 feet from 30 active fracking wells operated by PDC Energy, Inc (Figure 2).¹⁴ This is occurring despite Senate Bill 19-181 (SB-181) that was passed in Colorado in 2019, outlawing fracking within 2000 feet of homes and schools to protect public health.¹⁵ The school, Tointon Academy of Pre-Engineering, will be a K-8 school with a demographic likely 69% non-white students, the majority being Hispanic/Latinx.¹⁶



Figure 2: Aerial topographical map of the active fracking site in close proximity to the Tointon Academy of Pre-Engineering Build site. Photo and measurement from the Colorado Oil and Gas Commission interactive website.

We as 350 Northern Colorado (350 NoCo), led by be Micah Parkin and with the support of the offices of US Senator Hickenlooper, Representative Mary Young and Greeley City Councilmember Tommy Butler (see attached letters), propose to partner with community members of Greeley and contract Boulder AIR to provide real-time, publicly accessible air quality information to parents of schoolchildren at Bella Romero and Tointon Academy. **This project will empower the parents of Greeley to protect their children from air pollution and provide evidence when communicating with local and state lawmakers concerning the health of their children.** The community members (see attached community letters), led by Patricia Garcia-Nelson, have sought to implement an accurate air monitoring program for more than two years, and have continuously met resistance. We will provide them with air monitoring results in real time through Boulder AIR. 's website (see <https://bouldair.com/>). Boulder AIR. is run by Dr. Detlev Helmig, an expert in air quality monitoring for over 30 years. We are seeking funding to contract his team to install and operate a mobile air monitoring unit (Figure 3) that will continuously measure primary pollutants of concern: **Volatile Organic Compounds (VOCs)**, (including ethane, ethene, acetylene, propane, propene, i-butane, n-butane, i-pentane, n-pentane, isoprene, n-hexane, benzene, n-heptane, toluene, n-octane, ethylbenzene, m&p-xylene, and o-xylene); **Ozone (O3)**; **Methane (CH₄)**, and **Particulate Matter (both PM_{2.5} and PM₁₀)**. Meteorological variables to be monitored at the station include ambient temperature, relative humidity, ambient pressure, wind speed, wind direction, and incoming solar radiation. The mobile field laboratory will be located at two monitoring sites across the street from the schools, and we plan to move the mobile unit between the two sites after six months for the first year and after three months for the second half-year, for a total of nine months at each site. The monitoring instrumentation and Quality Control procedures are detailed in a document that was provided by Boulder AIR and is included in this proposal as a Supplementary Document.

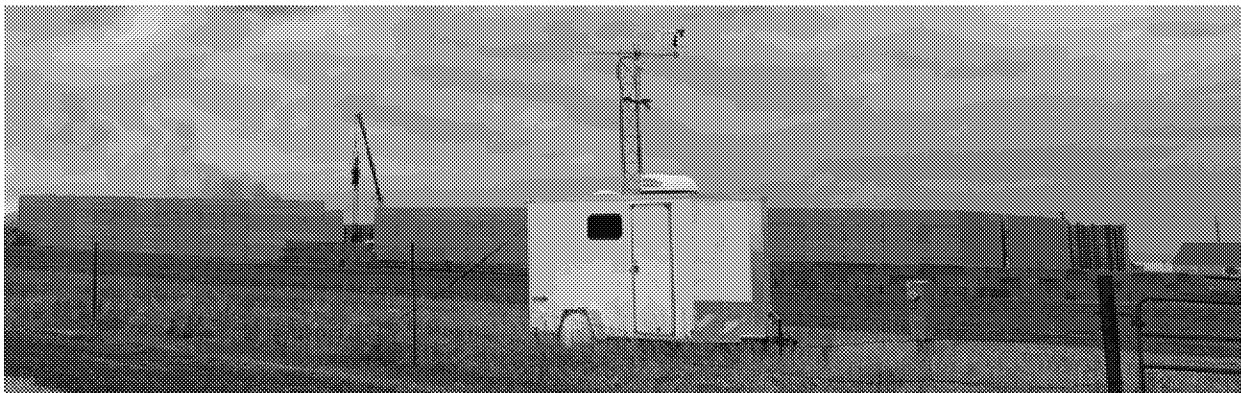


Figure 3: Example of the type of mobile air monitoring unit used by Boulder AIR, located in Broomfield North Pecos, CO. Photo supplied by Boulder AIR.

2. Community Involvement: 350 and members of the Greeley community have a history of working together since 2017. Community leader Patricia Garcia-Nelson became the treasurer of 350 Colorado in 2020. For over six years, Garcia-Nelson has worked tirelessly to secure air monitoring devices at Bella Romero Academy, becoming a well-known community activist in Greeley. Dr. Helmig has collaborated with a variety of climate organizations across Colorado, including 350 Colorado, the Larimer Alliance, and Cultivando to give presentations on his air

monitoring work. Boulder AIR has multiple monitoring stations across Colorado, all of which provide invaluable data demonstrating the immense pollution emitted by fracking operations. **Dissemination of information to access 24/7 air quality data:** The mobile monitoring trailer will be alternately located in the yards of community members Barbara Flores and Raquel Venegas, who live in close proximity from Bella Romero and Evaline Sanic who lives near the building site of Tointon Academy (Figure 4). (These individuals have provided attached letters stating they will allow the devices on their property.)

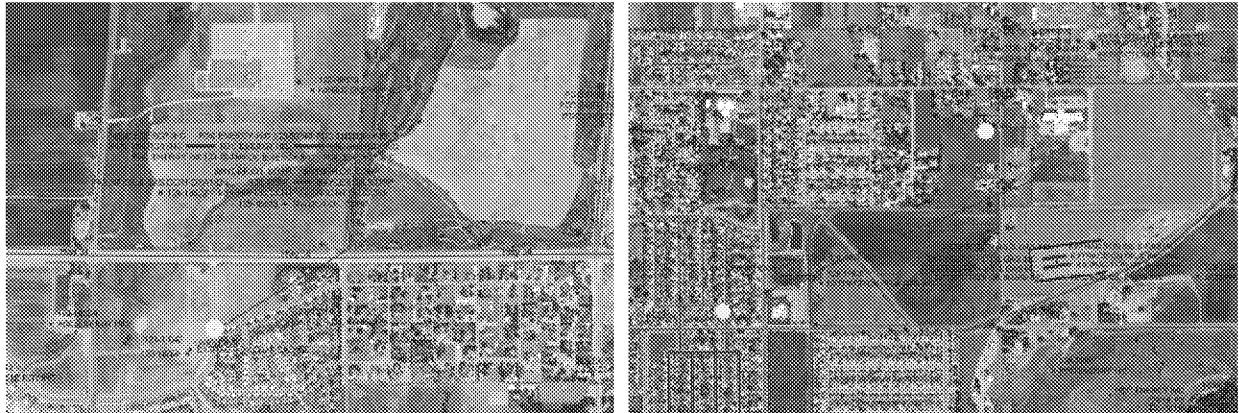


Figure 4: Map screenshots from the COGCC website showing the approximate distance from the private property where monitors will be located and the school sites with fracking nearby.

Patricia Garcia-Nelson, Barbara Flores, Raquel Venegas, and Evaline Sanic, who are community members in the neighborhood of Bella Romero and Tointon Academy, will be directly involved in disseminating access to the air quality monitoring data (see attached letters). This will include providing all community signatories (see attached letters) with a direct URL to the specific Boulder AIR website page with 24/7 access to the air quality information described further below. Patricia Garcia-Nelson, Barbara Flores, Raquel Venegas, and Evaline Sanic, along with us at 350 NoCo, will go door-to-door to every home in Greeley and offer residents an informational sheet including the URL and information about the air pollutants monitored. The sheet will provide an overview of the website's layout and detail pollutant levels at which residents should be vigilant about how much time they spend outdoors. **Educational Workshops:** We as 350 NoCo members will organize four 2-hour workshops to educate community members on how to use the air quality monitoring website and understand the emissions data produced by Boulder AIR. These workshops will take place every month during the first four months of monitoring at the Greeley Library. We will hold each workshop on a different day of the week and time to accommodate various work schedules, and the aforementioned informational sheets will include workshop information. We will hold additional workshops if the community has interest, including how to effectively communicate with lawmakers. **Translation to Spanish:** The group GreenLatinos (see their attached letter) has agreed to provide translation to Spanish during the educational workshops, and the informational fliers discussed above will have one side entirely in Spanish for members of the community whose first language is Spanish. GreenLatinos will also work to translate the informational fliers into Somali and Burmese, as both populations are well-represented in the community. **Overall: The purpose of this project is to give the Greeley community unlimited access to real-time, highly accurate, and regulatory-quality air data at the site of two schools where their children attend. They will drive this project with the**

support of 350 NoCo and contracted Boulder AIR. A scientific publication is anticipated from the study results; it will be co-authored (or first-authored given interest) by at least one community member.

3. Environmental Justice and Underserved Communities: Below is a table of the environmental justice indicators according to the EPA's EJScreen for Greeley, CO (Table 1). We included pollutant and socioeconomic indices for which at least part of Greeley falls above the national 70th percentile. In addition to the below, Greeley has large areas in the **80 - 100 national percentile range for asthma; 80 - 95 range for low life expectancy; and 80 - 100 range for broadband gaps.** A large portion is also colored blue as a **food desert, with low income and low access to healthy food.** Finally, a large portion is **highlighted as medically underserved.** **COVID-19:** Greeley has been disproportionately affected by COVID-19 after an outbreak at JBS Greeley Meat Plant early in the pandemic in March and April of 2020, which made national news.¹⁷ A large number of the JBS workers at Greeley are immigrants and refugees.¹⁸ Hundreds of people were infected at this plant and six workers passed away, two of whom were relatives of community members with letters attached to this proposal¹⁹. Air pollution greatly increases the risk of mortality from COVID-19.²⁰ Greeley JBS plant workers are still being disproportionately infected as of 2022, increasing the need for quality air monitoring at locations within the medically underserved community.²¹

Table 1: Pollutant percentiles from EPA's EJScreen for Greeley, CO

<i>Pollutant</i>	<i>Greeley, CO National Percentile (For pollutants in column to the left)</i>	<i>Socioeconomic Indicator</i>	<i>Greeley, CO National Percentile (For socioeconomic indicators in column to the left)</i>
Ozone	91st (all of Greeley)	People of Color	81 st - 91 st in large parts
2017 Air Toxics Cancer Risk	97th (all of Greeley)	Low Income	91st - 99th in large parts
2017 Air Toxics Respiratory HI	99th (all of Greeley)	Unemployment Rate	96th in large parts
Traffic Proximity	90 th in parts	Linguistically Isolated	96th in large parts
Lead Paint	95 th in parts	Less Than A High School Education	95th - 99th in large parts
RMP Facility Proximity	93rd - 96th (all of Greeley)	Less Than Age 5	90th - 99th in large parts
Underground Storage Tanks	91 st in parts	Over Age 64	88 th - 98 th in large parts
Wastewater Discharge	84 th in parts		

4. Environmental Results – Outputs, Outcomes and Performance Measures

A. Expected Project Outputs and Outcomes: The EPA's stated mission is to protect human health and the environment. The following outputs and outcomes of our project directly

contribute to achieving that mission. (The outputs and outcomes listed are in addition to the required performance reports.) Each output (Table 2) and outcome (Table 3) is followed by number and/or letter/number combinations, which correspond to the below listed EPA goals and objectives from the 2022 - 2026 Strategic Plan Draft that are met by that output/outcome. Although the “4.1” goal highlighted in the Enhanced Air Quality for Communities RFA is our centerpiece, our project exceeds that single goal and meets others as well. **EPA 2022 - 2026 Strategic Goals:** **1) Tackle the Climate Crisis:** **1.1** Reduce Emissions that Cause Climate Change. **2) Take Decisive Action to Advance Environmental Justice and Civil Rights.** **2.1** Promote Environmental Justice and Civil Rights at the Federal, Tribal, State, and Local Levels. **2.2** Embed Environmental Justice and Civil Rights into EPA’s Programs, Policies, and Activities. **2.3** Strengthen Civil Rights Enforcement in Communities with Environmental Justice Concerns. **3) Enforce Environmental Laws and Ensure Compliance.** **3.1** Hold Environmental Violators and Responsible Parties Accountable. **3.2** Detect Violations and Promote Compliance. **4) Ensure Clean and Healthy Air for All Communities.** **4.1** Improve Air Quality and Reduce Localized Pollution and Health Impacts. **7) Ensure Safety of Chemicals for People and the Environment.** **7.2** Promote Pollution Prevention. **Cross-Agency Strategies:** **CA1** Ensure Scientific Integrity and Science-Based Decision Making. **CA2** Consider the Health of Children at All Life Stages and Other Vulnerable Populations. **CA4** Strengthen Tribal, State, and Local Partnerships and Enhance Engagement.

Table 2: Tangible outputs of our project and the specific EPA 2022 - 2026 goals they meet

<i>Output</i>	<i>Description</i>
Air Quality Monitoring Data - Website	A website with real-time air quality monitoring will be viewable by the public and EPA as soon as the air monitoring unit has been installed. The website will be built on and be similar to the current five programs of neighboring communities (see https://www.bouldair.com/). EPA Goals Met: 2.1, 2.3, 3.2, CA1, 3.1, 3.2, CA1, CA2, CA4
Informational fliers	The informational fliers that explain how to use the publicly available Boulder AIR monitoring website to be distributed to all residences within Greeley’s city limits, with copies in English, Spanish, Somali, and Burmese, and available to the public and EPA. EPA Goals Met: 2.1, CA2, CA4
Map	We will keep a map of every house in Greeley where we visited with informational fliers, including details on if the occupants were home/we were able to speak to them, to be provided to the EPA. EPA Goals Met: 2.2, CA4
Videos	We will record all four educational workshops, to be made available to the EPA. EPA Goals Met: 2.1, 2.2, CA4
Data Interpretation	Greeley data will be contrasted with observations from the current eight other operating Front Range monitoring locations. The frequency and statistical distribution of pollution events will be analyzed. Pollutant concentrations will be evaluated in the context of exposure and health standards. Pollution point sources will be identified using polar bivariate wind analyses and Potential Source Contribution Function modeling. EPA Goals Met: 2.1, 2.2, 2.3, 3.1, 3.2, CA1
Reports	We will write trimonthly (every three months) reports summarizing trends for the site (Bella Romero or Tointon Academy) at which the air monitor was located for those three months, including the reports on the website for community members to view and use in discussions

	with lawmakers. These reports will include the number of days per three-month period that each measured pollutant exceeded safety guidelines set by the EPA and/or CDC/ATSDR. At least one community member will be involved in writing each report. An annual report after the first year and a cumulative 18-month report with longer-term trends will also be uploaded to the website. EPA Goals Met: 2.1, 2.2, 2.3, 3.1, 3.2, CA1, CA2, CA4
Scientific publication (potential output)	A peer-reviewed scientific publication may be published to increase visibility of potential problems with fracking near schools. This publication will be useful in communicating with lawmakers and preventing future adverse health outcomes in children. At least one coauthor will be a community member. EPA Goals Met: 4.1, 7.2, CA1

B. Performance Measures and Plan: In addition to the outputs listed above, we will track the performance measures listed under Table 4 to ensure we are producing expected outputs and progressing toward the stated long-term project outcomes. We will include a table detailing numbers 1 - 6 in our quarterly reports to the EPA, include numbers 7 -10 when relevant, and note any progress toward numbers 11 - 12.

Table 3: Progressive outcomes of our project and the specific EPA 2022 - 2026 goals they meet

<i>Outcome Type</i>	<i>Short-Term</i>	<i>Intermediate</i>	<i>Long-term</i>
Behavioral	Parents of schoolchildren at Bella Romero and Tointon Academies can take informed action to keep their children home on days when ambient air quality poses a risk to their health.	Parents can communicate data from the website with lawmakers at local and state hearings, pressuring them to enact stronger laws protecting air quality if the data shows the expected high levels of pollutants.	Overdue laws that put strict limits on harmful pollutants will be passed to protect underserved and vulnerable communities within Greeley and elsewhere in Colorado. EPA Goals Met: 1.1, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 7.2, CA1, CA2, CA4
Environmental	The community will have an accurate, extensive understanding of the air quality near Bella Romero and Tointon Academies in Greeley, CO.	The community will have data showing occurrences of concentration changes, the frequency of pollution events, and air quality over 18 months.	Lawmakers confronted with data showing the need for stricter air protection will act to hold oil and gas companies accountable and ambient air quality in Greeley will improve. EPA Goals Met: 1.1, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 7.2
Health-related	Asthma attacks and other respiratory symptoms associated with breathing contaminated air will be prevented when parents and teachers keep their children indoors on days of poor air quality. ^{1,4}	Hospitalizations due to symptoms exacerbated by pollution, including those associated with COVID-19, will decline. This will increase medical capacity within the Greeley community. ^{4,20}	As air quality improves following monitoring, adverse health outcomes associated with living near oil and gas operations will be lessened or avoided for members of the Greeley community, especially schoolchildren at vulnerable developmental ages. ^{1,3-4,13,20} EPA Goals Met: 2.1, 2.2, 2.3, 4.1, 7.2, CA2

- 1. Number of visits to the website per day** from members within Greeley city limits
- 2. Number of houses visited with informational fliers**, with higher performance indicated by a larger number of residences at which we spoke with someone who was home
- 3. Number of community attendees to each educational workshop**
- 4. Number of media articles** written about our project to enhance visibility
- 5. Number of days for which pollutant data is logged**

6. **Number of community attendees at Colorado Oil & Gas Conservation Commission (COGCC) hearings and comments** given to the COGCC relaying measured pollutant levels
7. **A detailed account of how all EPA funds were spent**
8. **Meeting minutes** for each meeting between Greeley community members, 350 NoCo, and/or subcontracted Boulder AIR
9. **Detailed accounts from Boulder AIR of all equipment maintenance checks** and quality assurance activities as described in the attached Quality Assurance Statement
10. **Detailed accounts from Boulder AIR of any problems** that may require the discounting of data points, and exactly which data points may be suspect
11. **Eventual publication** of a scientific paper from the collected data
12. **Eventual passage of laws** that enforce strict pollution limits for the Greeley area and CO

C. Timeline and Milestones

Table 4: Project timeline and associated milestones

<i>Months</i>	<i>Activities</i>	<i>Associated milestones</i>
November 2022	Set up a contract with Boulder AIR	Copy of signed contract
December 2022 - May 2023	Install air monitoring device at Bella Romero site, calibrate and ensure measurements are working. Build website.	Website up and running
June 2023	Create and disseminate informational fliers to the community	Informational fliers delivered to all Greeley residences; map detailing interactions
July 2023	Hold first of four educational workshops	Video recording of first workshop to send to EPA
August 2023	Hold second of four educational workshops	Video recording of second workshop to send to EPA
September 2023	Hold third of four educational workshops. Produce first trimonthly report summarizing air quality trends at Bella Romero from June - August 2023	Video recording of third workshop to send to EPA. First Bella Romero report uploaded to website
October 2023	Hold final educational workshop on website use. Gauge interest in further educational workshops on communication with lawmakers	Video recording of fourth workshop to send to EPA. Action plan for future educational workshops if there was expressed interest
December 2023	Move monitoring unit to Tointon Academy site, calibrate. Produce second trimonthly report on pollutant trends at Bella Romero from September – November 2023	Second Bella Romero report uploaded to website
March 2024	Produce first trimonthly report on pollutant trends at Tointon Academy from December 2023 – February 2024	First Tointon Academy report uploaded to website

June 2024	Move monitoring unit to Bella Romero site, calibrate. Produce second trimonthly report on pollutant trends at Tointon Academy from March – May 2024. Write annual report summarizing 6-month trends at both sites	Second Tointon Academy report uploaded to website. Annual report uploaded to website
September 2024	Move monitoring unit to Tointon Academy site, calibrate. Produce third trimonthly report on pollutant trends at Bella Romero from June – August 2024	Third Bella Romero trimonthly report uploaded to website
December 2024	Terminate monitoring. Produce overall report on pollutant trends at both sites across the entire 18 months of pollutant monitoring. Discuss opportunities for scientific publications	Third Tointon Academy report uploaded to website. Overall report uploaded to website. Statement of planned publication and authors to include in final report to EPA

5. Quality Assurance Statement: See Boulder AIR's attached Quality Insurance Statement.

6. Programmatic Capability and Past Performance

A. Past Performance. Kettering Foundation (2019, 2020, 2021) - 350 Colorado has received grant funding annually from the Kettering Foundation supporting education and community outreach programs focused on public health and environmental impacts of coal and oil and gas development on local communities. *Key outcomes include:*

- Secured greater protections for public health and environment through passage of SB19-181
- Engaged 200+ community members in legislative advocacy work focused on climate impacts and public health
- Hosted ongoing community organizing trainings with 500+ new community members
- Led and coordinated new coalition space with 60+ community-based organizations

Center for Health, Environment and Justice (2021) - 350 Colorado has received grant funding from Center for Health, Environment and Justice to support frontline and impacted communities in participating in state regulatory rulemakings, including capacity building and leadership training. *Key outcomes include:*

- Educated at least 20,000 Coloradans on air quality monitoring data, health impacts, and other community efforts through mail, social media, email campaigns, and earned media
- Engaged frontline communities in state regulatory rulemakings calling for stronger public health protections through bi-lingual trainings, events, and outreach materials
- Secured the Colorado Oil and Gas Conservation Commission's decision to uphold a 2,000-foot setback between homes and oil and gas development

B. Reporting Requirements

Kettering Foundation - 350 Colorado successfully completed and managed each of these grant agreements through implementation of detailed annual work and management plans. Grant reports have been successfully completed and submitted on time at the end of each grant cycle. Grant reports detailed progress toward achieving expected outputs and outcomes. Final technical reports were submitted and were acceptable to the grantor. **Environment and Justice** - 350 Colorado has been able to successfully complete and manage this grant award through implementation of a detailed work and management plan with clearly designated project managers and key personnel. Mid-cycle reporting with CHEJ was acceptable to the grantor, detailing progress toward achieving expected outputs and outcomes. **Boulder AIR** - Dr. Detlev Helmig offers regular presentations to the sponsors and the public, including in-depth data

analysis and interpretations. These public engagement and education sessions are included within the air monitoring project scope of work. In March 2022, over 100 participants attended an education session.

C. Staff Expertise

For this project, 350 Colorado and Boulder AIR will collaborate in order to meet project deliverables. Boulder AIR offers a variety of services tailored to air quality needs, including the configuration and implementation of atmospheric monitoring programs. Boulder AIR began similar monitoring for Boulder County in 2017 on an annual contract because of the recognized value and community benefits. In addition, Longmont, Broomfield, Erie, and Commerce City (via Cultivando) have contracted with Boulder AIR since. Each of those contracts has been renewed for the same reasons. **350 Colorado (350CO)** is a nonprofit organization working to build local movements to solve climate-related impacts and support local communities in promoting public health and environmental quality. Over the last nine years since 350 Colorado's establishment as a 501c-3, 350CO has established itself as the largest Colorado-based grassroots organization focused on supporting climate action. 350CO is dedicated to promoting local solutions, including supporting communities in air quality monitoring and mobilizing for needed public health and community protections. Since its formation, the organization has grown to include over 20,000 activists across the state, with more than 50 local team leaders, 16 paid organizers, and hundreds of committee and team volunteers. Last year, our network took over 17,000 actions, sent over 7,000 letters to decision-makers, and made over 500 accounts of public comment. Despite the challenges of COVID-19, 350CO hosted 140+ actions or events, with over 10,000 participants, including training 680 individuals in community organizing in 2020- 2021.

350 Colorado personnel assigned to this project include:

Patricia Nelson - 350 CO Board Member - Patricia is the mother of a student at Bella Romero Academy and has been an active leader and voice in the efforts against neighborhood oil and gas development since 2015. She is bilingual in Spanish and English.

Jenna Parker - Jenna Parker is an NSF-funded postdoctoral scientist who conducts research toward conserving biodiversity. Jenna is part of 350 Northern Colorado's Leadership Council.

Riley Ruff- 350 Northern Colorado Coordinator - Riley has been involved with advocating for their local community for over six years. They have extensive experience organizing local climate action, holding educational workshops, and collaborating with impacted communities. Riley is bilingual in English and Spanish.

Boulder AIR personnel assigned to this project include

Boulder AIR is led by an expert in air quality research, principal **Dr. Detlev Helmig**. Dr. Helmig began his career as a recipient of an EPA Young Investigator Award. Building on the air monitoring data, Boulder AIR will also provide a plethora of data interpretations.

7. Budget

A. Budget Detail

DESCRIPTION – Itemized Expenses via Subcontracted Boulder AIR for Greeley Air Quality Monitoring	AMOUNT
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Volatile Organic Compounds monitoring - Year 1	\$166,554
Volatile Organic Compounds monitoring - Year 2	\$49,966
Methane monitoring - Year 1	\$73,634
Methane monitoring - Year 2	\$22,090
Particulate Matter monitoring _2.5, PM_10, GRIMM EDM180, regulatory-like - Year 1	\$47,336
Particulate Matter monitoring _2.5, PM_10, GRIMM EDM180, regulatory-like - Year 2	\$14,201
Meteorological variables , research-grade, Year 1	\$7,889
Meteorological variables, Year 2	\$2,367
Communication (Year 1 +2); Subcontractor agreement with Boulder A.I.R	\$2,600
Instrument Trailer - Subcontractor agreement with Boulder A.I.R	\$20,000
Website Data Reporting & Data Management - Subcontractor agreement with Boulder A.I.R	\$52,000
Security System, including webcams - Subcontractor agreement with Boulder A.I.R	\$3,900
Personnel/Project Management - 15 hours/week, \$25 per hour; Year 1 + 2	\$27,000
Transportation and Mileage over 18 months	\$6,500
Educational Community Workshops (4 workshops, \$625)	\$2,500
TOTAL COST	\$498,537

B. Reasonableness of Costs

Boulder AIR charges fixed rates for station setup and air monitoring services. The same rate structure is applied to all currently ongoing and proposed future monitoring programs. The first 1.5 years' budget included the acquisition of all instrumentation, calibration materials and

equipment, and a full year of air monitoring. Personnel costs, mileage for site visits, and data reporting and interpretation are factored into this pricing. The budget also includes the acquisition of the monitoring trailer and website development. Personnel costs, mileage for site visits, and all data reporting, archiving, and interpretation are factored into this pricing. Once all equipment is in place and operational, for subsequent years, expenditures drop to 60% of the first year to cover the systems operation and maintenance and continued data reporting and interpretation.

C. Expenditure of Awarded Funds

For the given project proposal, the applicants will have an extensive and detailed understanding of the associated costs of subcontracting and collaborating with Boulder AIR. We will be measuring atmospheric concentrations of volatile organic compounds, methane, and PM_{2.5}. In addition, we will be taking baseline meteorological measurements. The total initial cost of the instruments themselves totals \$295,413, and the trailer in which they are placed will cost \$20,000. That amount of money is projected to be spent in December of 2022 as Boulder AIR installs the needed equipment into the mobile monitoring station and places it at the first site. Following the establishment of the mobile laboratory at the first site, and as it is moved to the second location further into the monitoring, the total cost of transportation for the Boulder AIR subcontractors is estimated to total \$5,000. That amount of money will be spent over the course of the 18-month duration of this project. The same applies to data management costs (\$40,000), security costs for the mobile laboratory (\$3,000), and communication, including compensation for the private property owners on whose land the mobile laboratory will be placed (\$2,000) over the course of 18 months. The remaining funds will be allocated over the course of four educational workshops with \$650 allocated for each. Additionally, the project managers (noted above) will be compensated at 15 hours/week for 18 months for their contributions towards the overall longevity of the project.

References

¹D. Helmig, *Elem Sci Anth*, 2020, 8:4. ²Weld County Admin, Oil and Gas Report (OEGD), January 2022. <https://www.weldgov.com>. ³AL Bolden *et al. Environ Health*, 2018, 17:26. ⁴NC Deziel *et al. Environ Res*, 2020, 109:124. ⁵EPA, Air Quality Statistics Report, 2021, epa.gov. ⁶U.S. Census Bureau, 2019, <https://censusreporter.org/profiles>. ⁷Public School Review, 2022, publicschoolreview.com. ⁸M. Jula, *Mother Jones*, 2018, www.motherjones.com. ⁹ME Sakas, Colorado Public Radio, 2020, cpr.org. ¹⁰CDC ATSDR, 2022, astdr.cdc.gov. ¹¹CDPHE Air Pollution Control Division, Statement of Errata, 2020, https://www.colorado.gov/airquality/tech_doc_repository.aspx. ¹²N. Salzman, *Westword*, 2020, [westword.com](https://www.westword.com). ¹³A Watterson & W Dinan, *Int. J. Environ. Res. Public Health*, 2020, 17: 4320. ¹⁴Colorado Oil & Gas Conservation (COGCC), 2022, cogcc.state.co.us. ¹⁵Colorado General Assembly, 2019, <https://leg.colorado.gov/bills/sb19-181>. ¹⁶Greeley-Evans Weld County School District 6 Administration, 2022, <https://www.greeleyschools.org/Page/12700>. ¹⁷E Udell, *Coloradoan*, 2020, [coloradoan.com](https://www.coloradoan.com). ¹⁸S Gamboa, *NBC News*, 2020, [nbcnews.com](https://www.nbcnews.com). ¹⁹Propublica, *The Denver Post*, 2021, [denverpost.com](https://www.denverpost.com). ²⁰A Pozzer *et al., Cardiovascular Research*, 2020, 116(14):2247-2253. ²¹R McCarthy, Sosland Publishing's *Meat+Poultry*, 2022, meatpoultry.com.

March 21, 2022

Administrator Michael S Regan
Environmental Protection Agency
Office of the Administrator
1200 Pennsylvania Avenue, NW – 1101A
Washington, D.C. 20250

Dear Administrator Michael S Regan:

I write to express support for the 2022 Enhanced Air Quality Monitoring for Communities grant proposal submitted by 350 Colorado to the Environmental Protection Agency. If awarded, 350 Colorado will fund the Community Air Monitoring in Greeley, Colorado to better protect and enhance the air quality of Weld County by monitoring levels of Methane and volatile organic compounds (VOCs), as well as educate members of my community on the health impacts of air quality, in a language that they are most comfortable.

Since the approval of the permits for a 24 well fracking site, less than 700 feet from the playground of my son's school, Bella Romero Academy in Greeley, Colorado, I have worked with multiple organizations to stop the egregious project from moving forward. We first worked to stop the approval of the permits with a lawsuit. Then we made appeals to various state agencies to mitigate the harms to our community with air quality monitoring. Even though the state recorded unsafe levels of Benzene and other VOCs at the site, the state removed the air monitors early last year. There has been no monitoring at Bella Romero since February 2020.

In late February, I was able to arrange air monitoring in partnership with Colorado State University (CSU) and the Colorado Department of Public Health and Environment (CDPHE). Our request to put air monitors on school property was denied by school officials. I canvassed with a few volunteers and collected signatures for a petition to ask them to reconsider (See attached). In three days, about 30 mins each day, we collected over 120 signatures. The parents I spoke to all shared the same concerns. We worry that it will take something catastrophic before our children are protected. But by then, we are afraid it will be too late.

I have worked with various agencies, nonprofits and CDPHE, to restart air monitoring at our school. There have been set back rulemaking changes at the agency responsible for issuing Oil and Gas permits – the Colorado Oil and Gas Conservation Commission (COGCC), siting Bella Romero. There have also been changes in the legislature (SB19-181) that prioritized public health, safety, welfare, and the environment. Despite all of the changes, the state is still recording Benzene emissions over 9ppm all over my county. When local governments put industry before the people its supposed to serve, the burden is put on communities like mine. We will continue to work to protect our community and provide a livable climate for our children and the next seven generations.

I humbly ask you to give the application submitted by 350 Colorado your full and fair consideration consistent with all applicable laws and regulations.

Respectfully,

Patricia Garcia-Nelson

February 22, 2022

Dr. Pilch and Mr. Matthews,

I am writing to you today in the hope that you would reconsider your decision to allow continuous monitoring at Bella Romero Academy provided by CSU and CDPHE.

The response of my community has been overwhelming.

We share the same concerns and fears. The sentiment in my community is that our children are being overlooked and that it would take something catastrophic before any action would be taken.

I would love to work with you to take a proactive approach to protect the children and staff at Bella Romero. We collected 129 signatures of parents, guardians, family members, students, and staff members who support ongoing air monitoring.

I look forward to hearing from you.

Respectfully,

Patricia Garcia- Nelson

Name	City	State	Postal Code	Country	Signed On
Saira Rodriguez	Greeley	CO	80631	US	2/9/2022
Anahí Escalera	Ciudad Juárez		32575	Mexico	2/9/2022
Claudia Ortega	Denver	CO	80238	US	2/9/2022
Ana Garcia	Greeley	CO	80631	US	2/9/2022
Monica Garcia	Greeley	CO	80631	US	2/9/2022
Dalila Hernandez	Denver	CO	80207	US	2/10/2022
Valentin Pineda	Denver	CO	80631	US	2/10/2022
Maricruz Zapata	Evans	CO	80620	US	2/10/2022
Cledma Martinez	Denver	CO	80251	US	2/18/2022

Our children deserve to be protected! Dr. Pilch, We need air monitoring now!

¡Nuestros Hijos Merecen ser protegidos! ¡Dr. Pilch, Necesitamos monitorear del aire ahora!

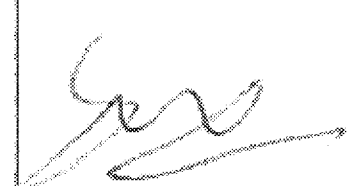
Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, Waxaan u baahanahay la socodka hawada hadda!

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
Elizabeth Gozales	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Sebastian Groun	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Saira Rodriguez	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Celeste Carbajal	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80620
Elizabeth Fernandez	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Enrique Aburto	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
John Doe	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
John Doe	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Ruth	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	8
Kidusan	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Maria Amik	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80620
Celia Madero	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Carlos Coribay	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	

Our children deserve to be protected! **Dr. Pilch, We need air monitoring now!**

¡Nuestros Hijos Merecen ser protegidos! **¡Dr. Pilch, Necesitamos monitorear del aire ahora!**

Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, **Waxaan u baahanahay la socodka hawada hadda!**

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
Claudia Arenas	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Mana Orana	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	

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Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, **Waxaan u baahanahay la socodka hawada hadda!**

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
Yo apoyo.	Mother/Father/Guardian – Madre / <u>Padre Guardian</u> – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Child Center	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
	Mother/ <u>Father</u> /Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
Edwin	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
Maribel Lyen	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Ruth Moreno	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Anabel Ham	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Victoria Varela	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80620
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, **Waxaan u baahanahay la socodka hawada hadda!**

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
<i>Erlina Gonzalez</i>	Mother/Father/Guardian – <u>Madre</u> / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Fabiola Perez</i>	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Maria Meza</i>	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Maria-Barrera</i>	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Maria Guivora</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Adriana Gonzalez</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Josuen Castro</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Martha Ramirez</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Antonio Bore</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Chirafel</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
<i>Margaret</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80620
<i>IZZY</i>	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe <u>Student</u> – Estudiante - Ardayga Family – Familia - Qoyska	
<i>Rebawayk</i>	Mother/Father/ <u>Guardian</u> – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	

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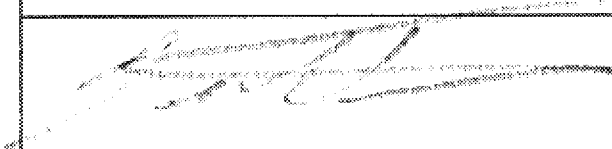
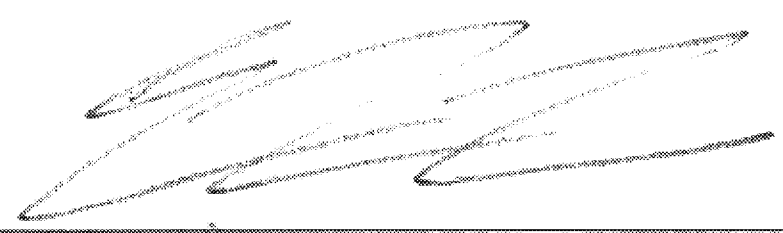
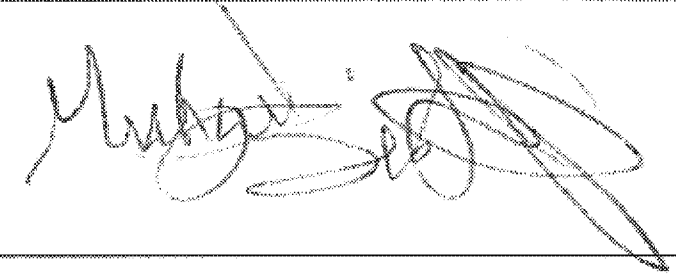
Our children deserve to be protected! Dr. Pilch, We need air monitoring now! ¡Nuestros Hijos Merecen ser protegidos! ¡Dr. Pilch, Necesitamos monitorear del aire ahora! Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, Waxaan u baahanahay la socodka hawada hadda!		
Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
<i>Jennifer</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Patricia</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Jill</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Katy</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80634</i>
<i>Azra</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Maryal</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Angel Tegeja</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Heather</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Shirley</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	

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Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
Maria Torres	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Angela B. Sanchez	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Mancela Ponce	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
Yacine Moutou	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80628
Lorenza Vazquez	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Dimitri	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Oliver J. Katz	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Yara	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Luna	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80620
Wendy	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Quinn	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Yara	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	

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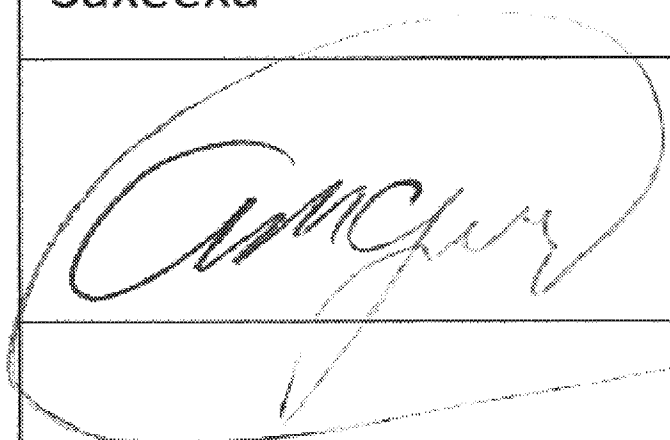
Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, **Waxaan u baahanahay la socodka hawada hadda!**

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
	Mother/Father/Guardian – Madre / <u>Padre</u> Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska TEACHER	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80917
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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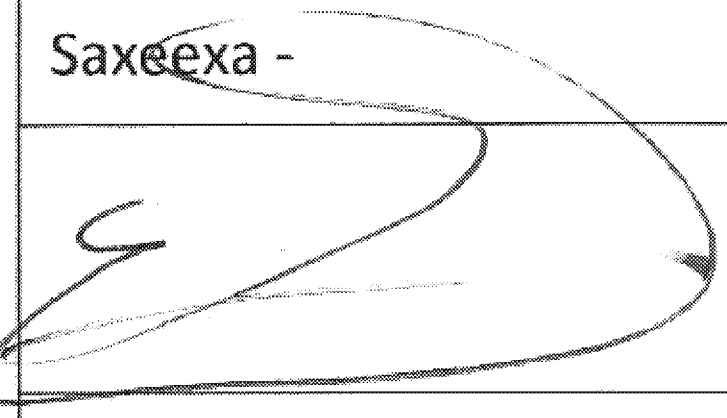
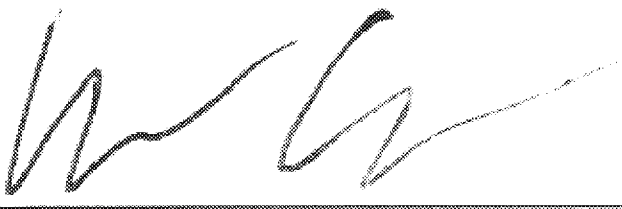
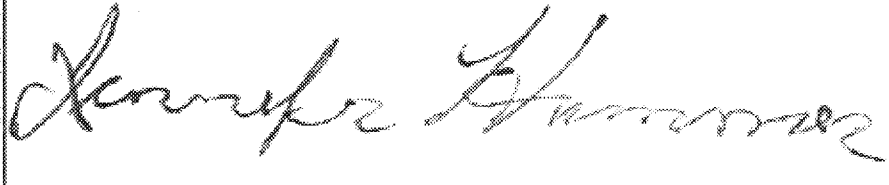

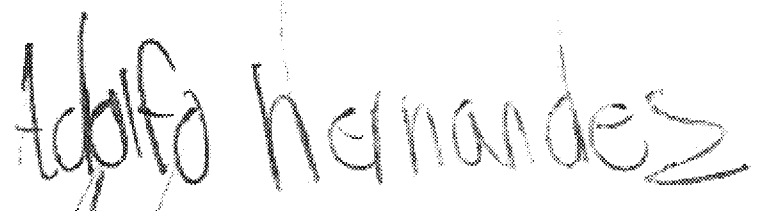
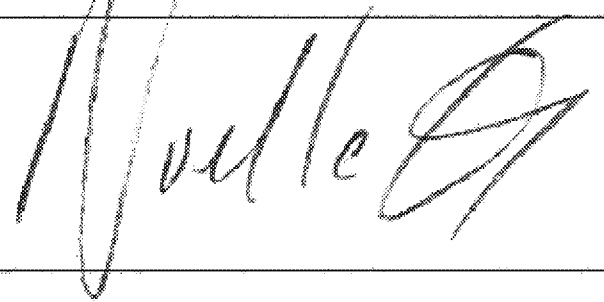

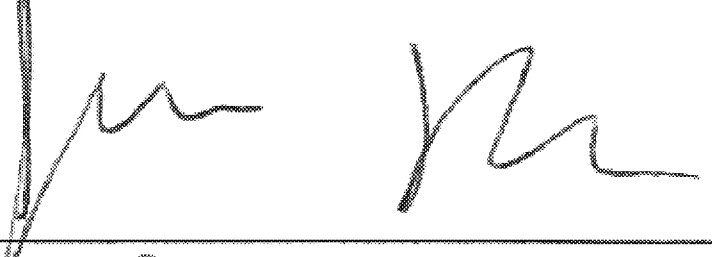
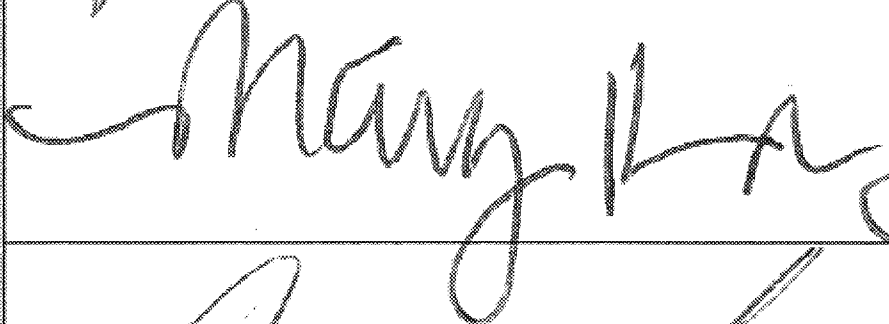
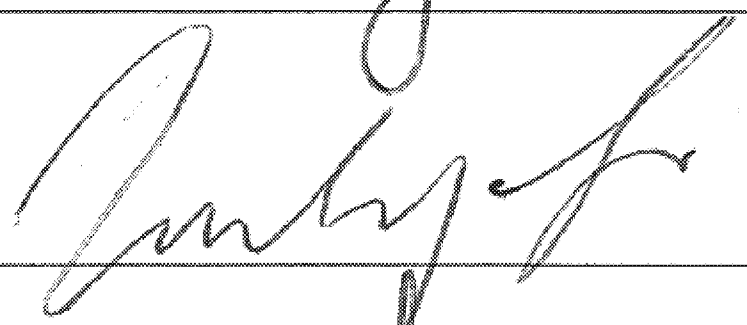
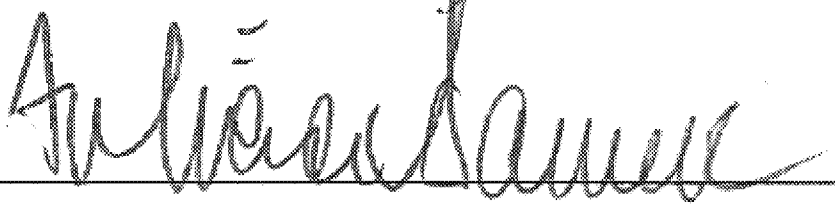
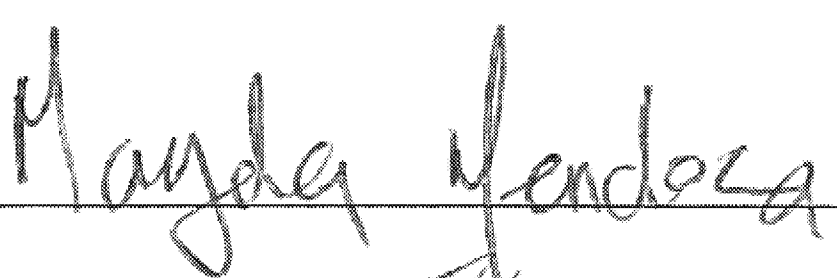

Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, Waxaan u baahanahay la socodka hawada hadda!

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
	Maria Armino momá	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80634
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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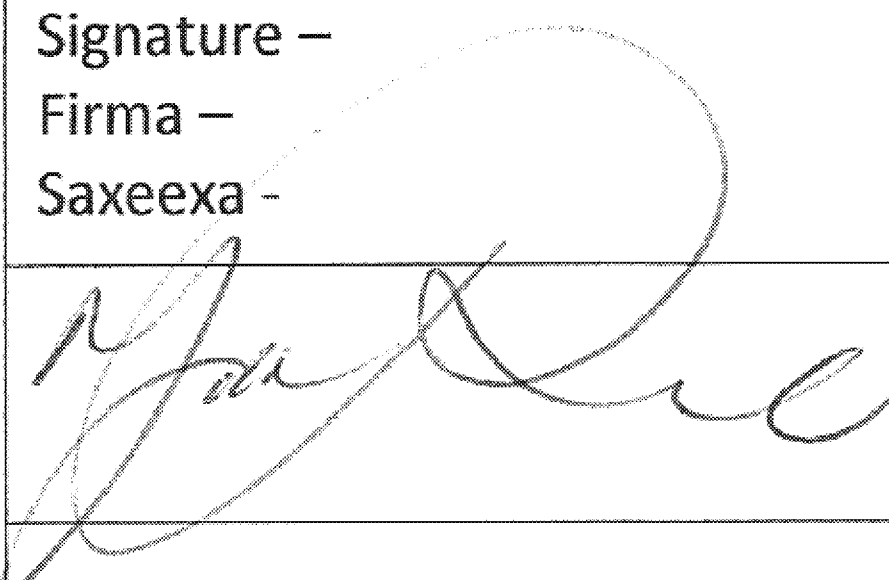
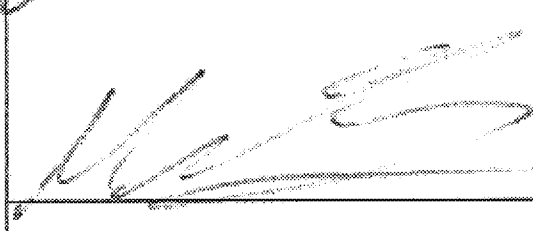
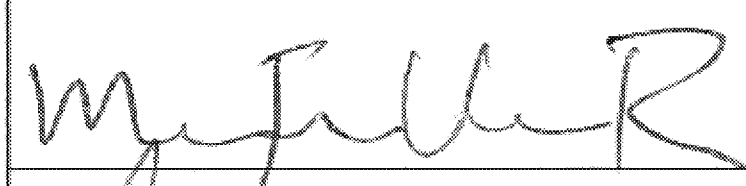

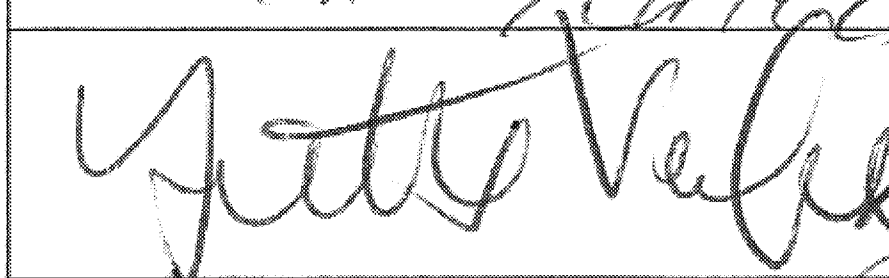
Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
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	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
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	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
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	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
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Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
<i>Hwert Kanaso</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska ✓	<i>80631</i>
<i>Mario B</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Dad</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>Dad 80631</i>
<i>Julie</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>mom 80631</i>
<i>John</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Teal M. Alesh</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80631</i>
<i>Julie A MacKenzie</i>	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	<i>80620</i>
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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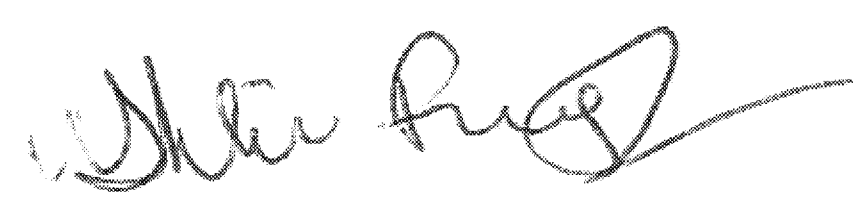
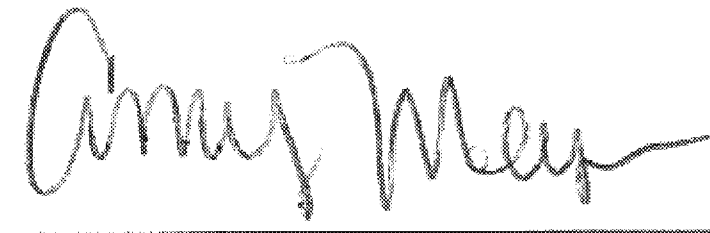


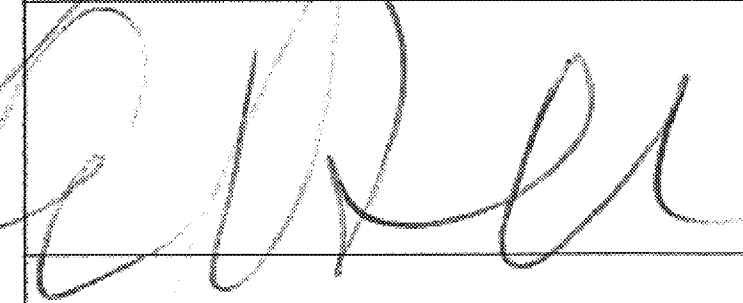
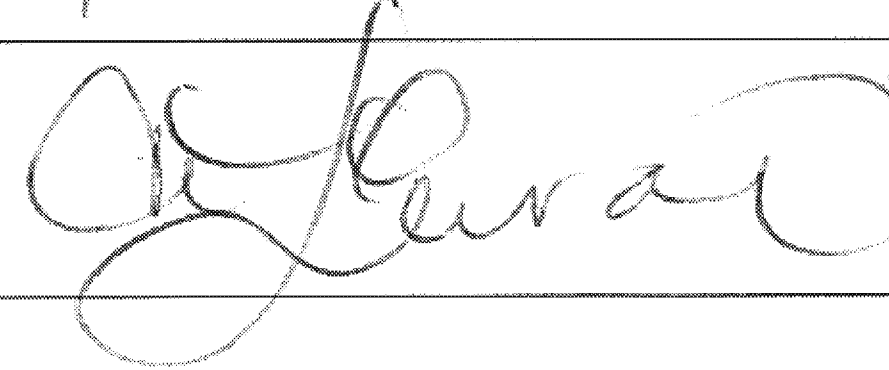
Caruurteena waxay mudan yihiin in la ilaaliyo! Dr. Pilch, Waxaan u baahanahay la socodka hawada hadda!

Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80620
Rosarela Canales	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Silvia Contreras	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Jeremias Aguinaldo	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Maria Botello	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Carmen Gomez	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Memor Aguirre	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80624
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	

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Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
IRAYDA DUAQUE	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	30620
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Guadalupe L. S.	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80634
	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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Signature – Firma – Saxeexa -	I am.... Yo Soy... Aniga	Zip Code Código Postal Koodhka sibka
Cristina Caballero Bisharo 11ma	Mother/Father/Guardian – <u>Madre</u> / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
Santos	Mother/Father/Guardian – Madre / <u>Padre Guardian</u> – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631 80631
Blanca X	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
Esther Johnson	Mother/ <u>Father</u> /Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	806 ²⁰ 31
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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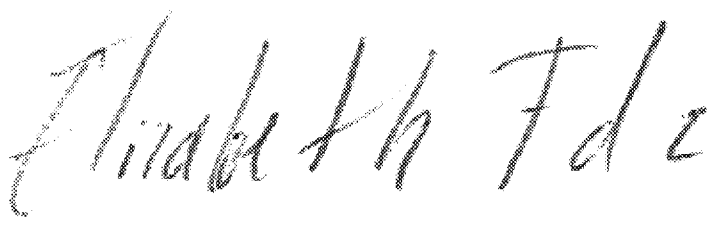

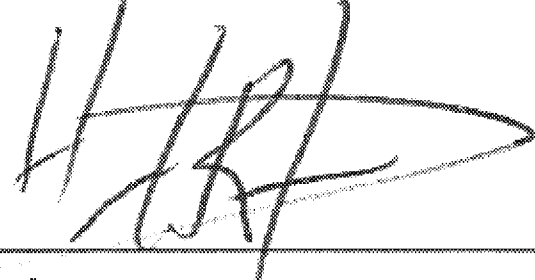
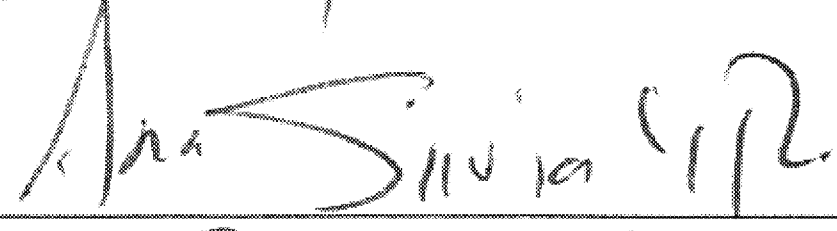

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Jose	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Maria	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Elubia Leon	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Rilda Manzo	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Katy Martinez	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	88631
Karyme Alonzo	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga <u>Family</u> – Familia - Qoyska	80631
	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
 Maria Duarte	<u>Mother</u> / <u>Father</u> / <u>Guardian</u> – <u>Madre</u> / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
Maria Canales	<u>Mother</u> /Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	80631
	Mother/Father/Guardian – Madre / Padre Guardian – Hooyo/ Aabe Student – Estudiante - Ardayga Family – Familia - Qoyska	
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